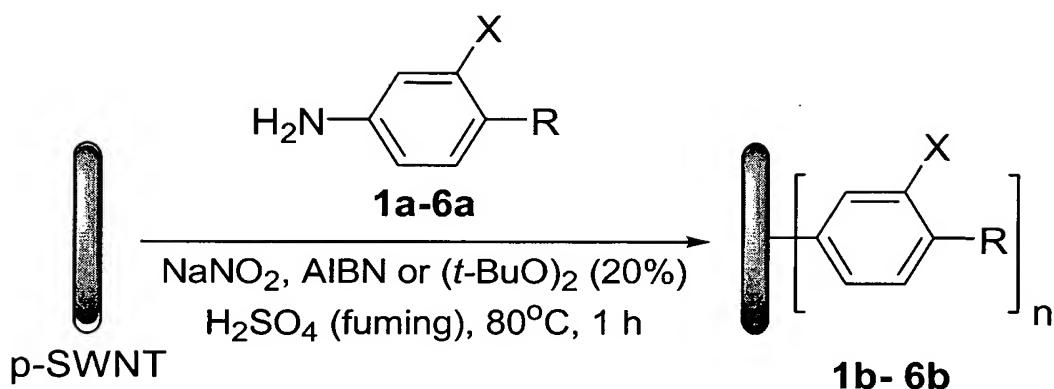


**Scheme 1**

- 1a.** R = H, X = H to **1b.** R = SO<sub>3</sub>H, X = H
- 2a.** R = NO<sub>2</sub>, X = H to **2b.** R = NO<sub>2</sub>, X = SO<sub>3</sub>H
- 3a.** R = Cl, X = H to **3b.** R = Cl, X = SO<sub>3</sub>H
- 4a.** R = *t*-butyl, X = H to **4b.** R = *t*-butyl, X = H and SO<sub>3</sub>H (~1:1)<sup>a</sup>
- 5a.** R = CH<sub>2</sub>CH<sub>2</sub>OH, X = H to **5b.** R = CH<sub>2</sub>CH<sub>2</sub>OH, X = SO<sub>3</sub>H<sup>b</sup>
- 6a.** R = SO<sub>3</sub>H, X = H to **6b.** R = SO<sub>3</sub>H, X = H

**Fig. 1**

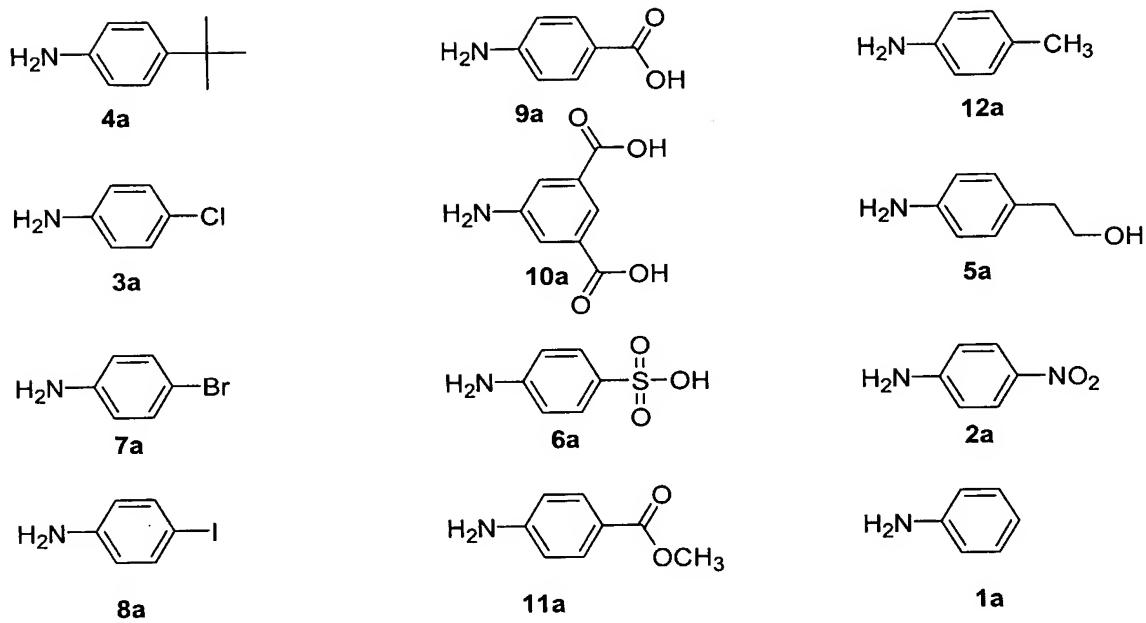
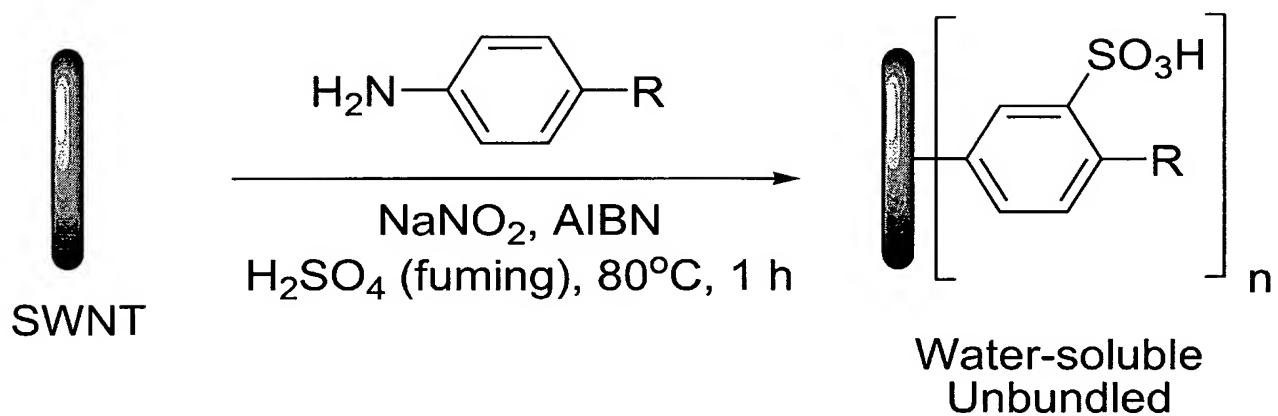


Fig. 2

**Scheme 2****Fig. 3**

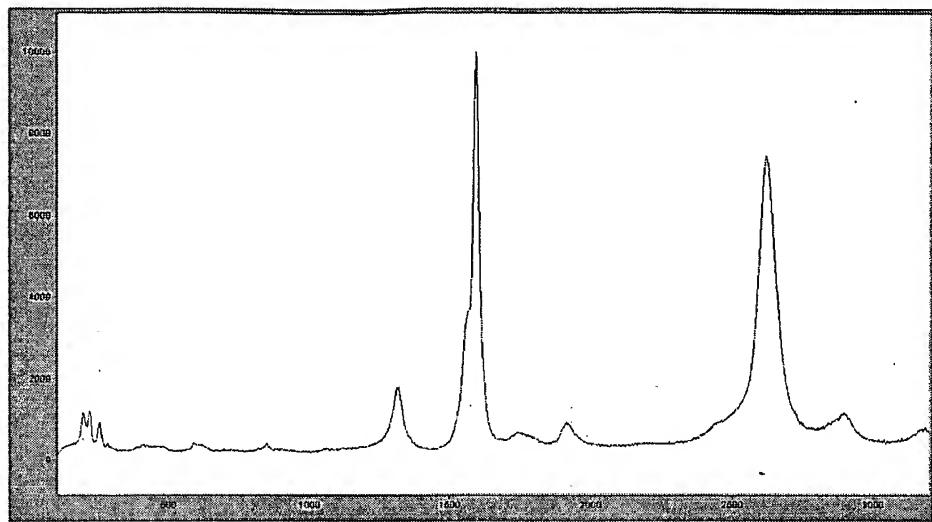


Fig. 4

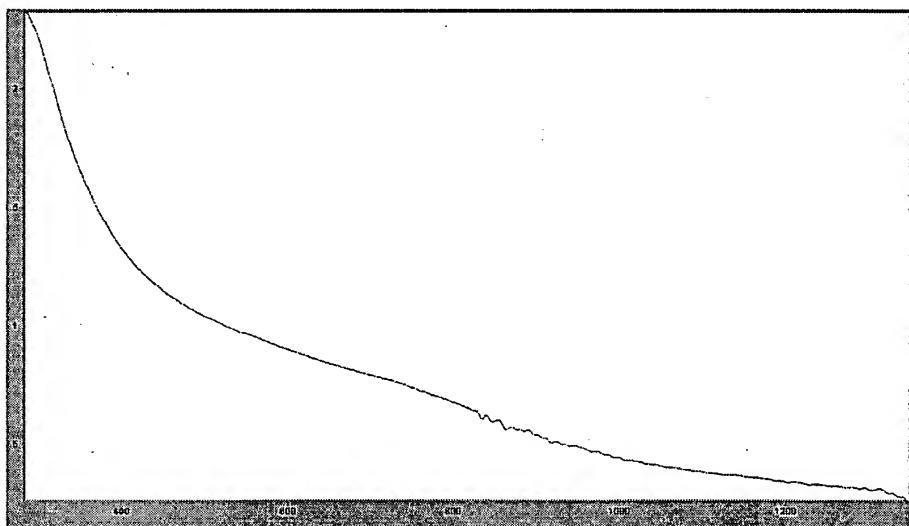


Fig. 5

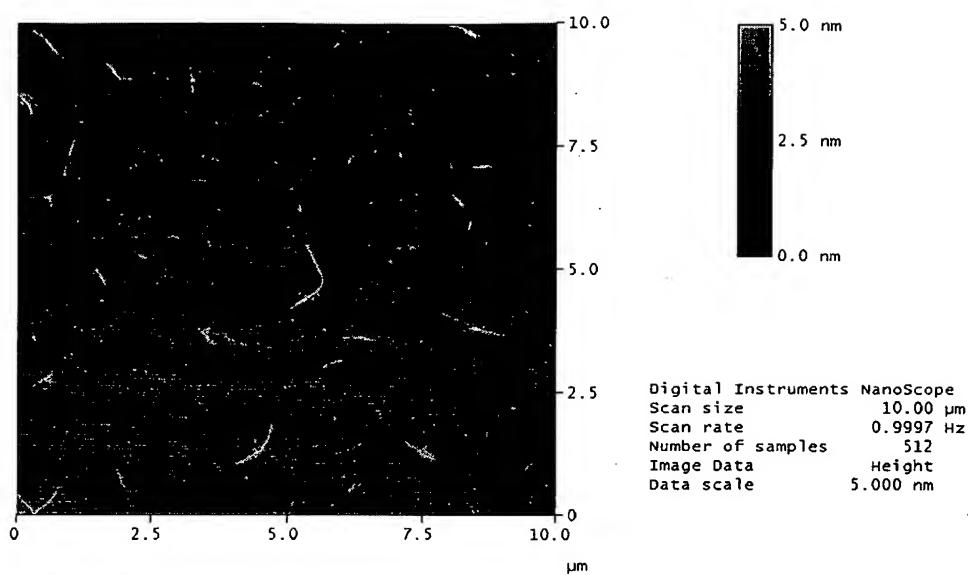


Fig. 6

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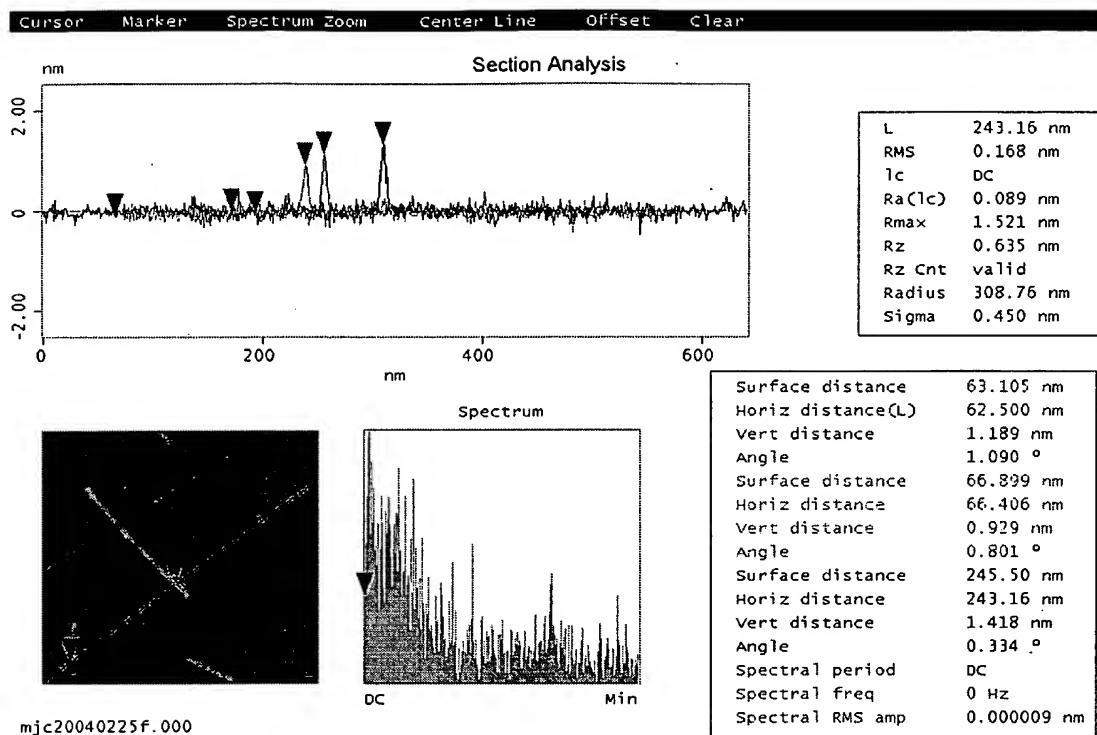


Fig. 7

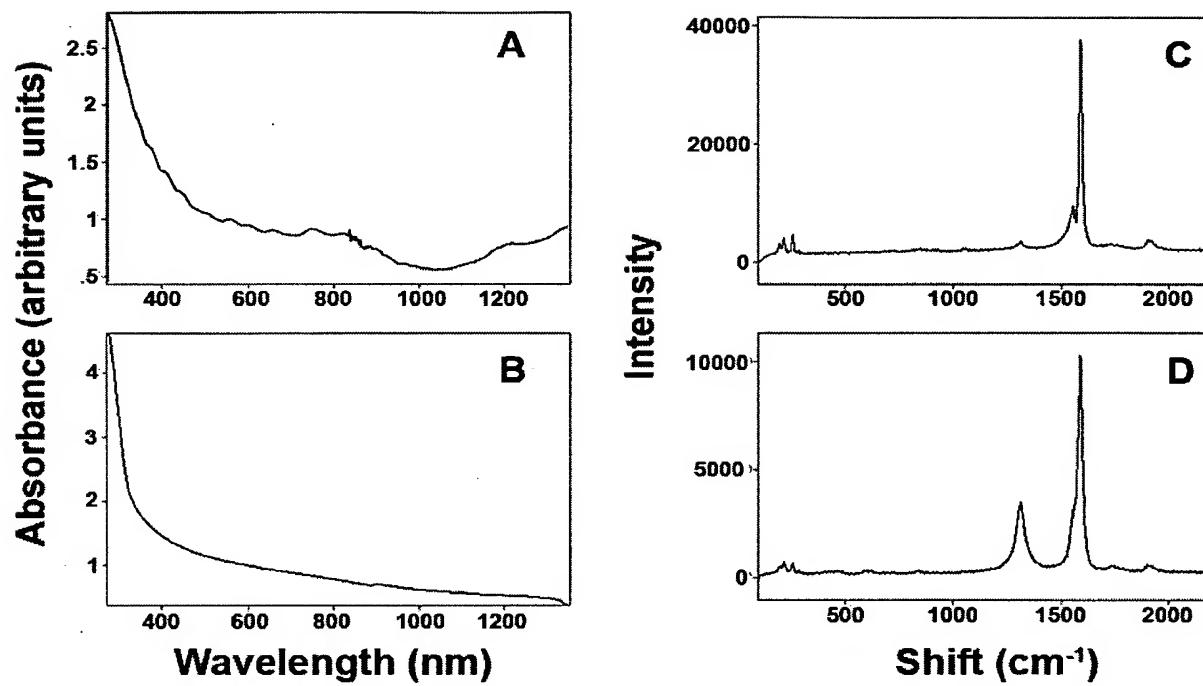


Fig. 8

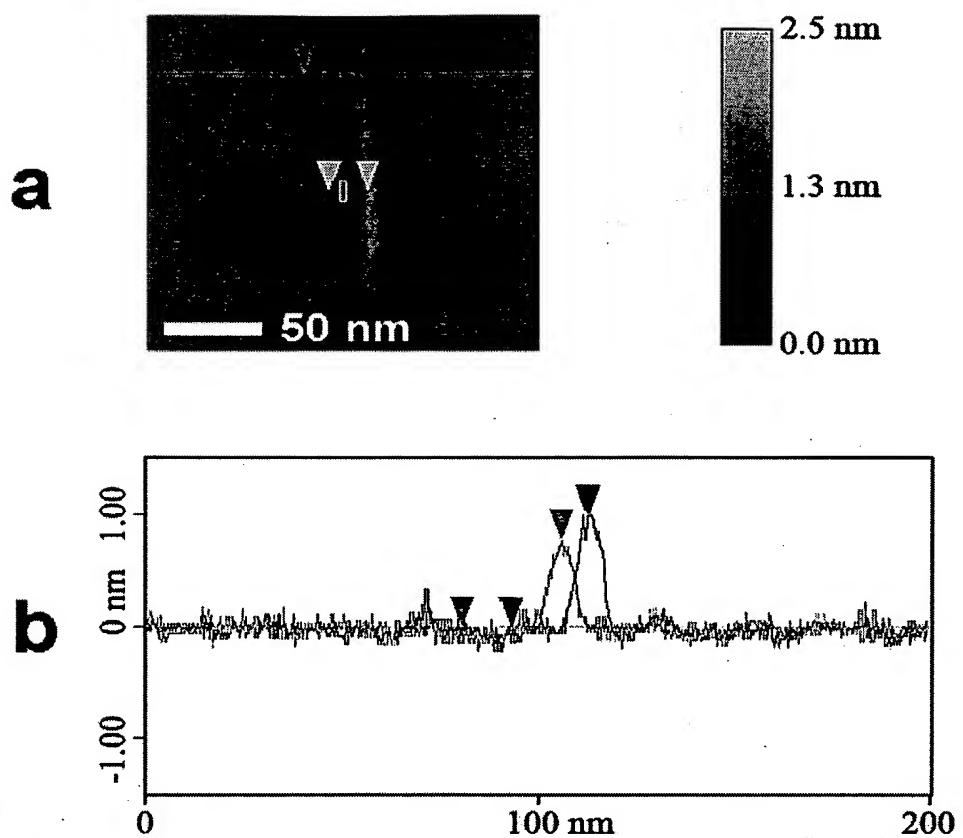


Fig. 9

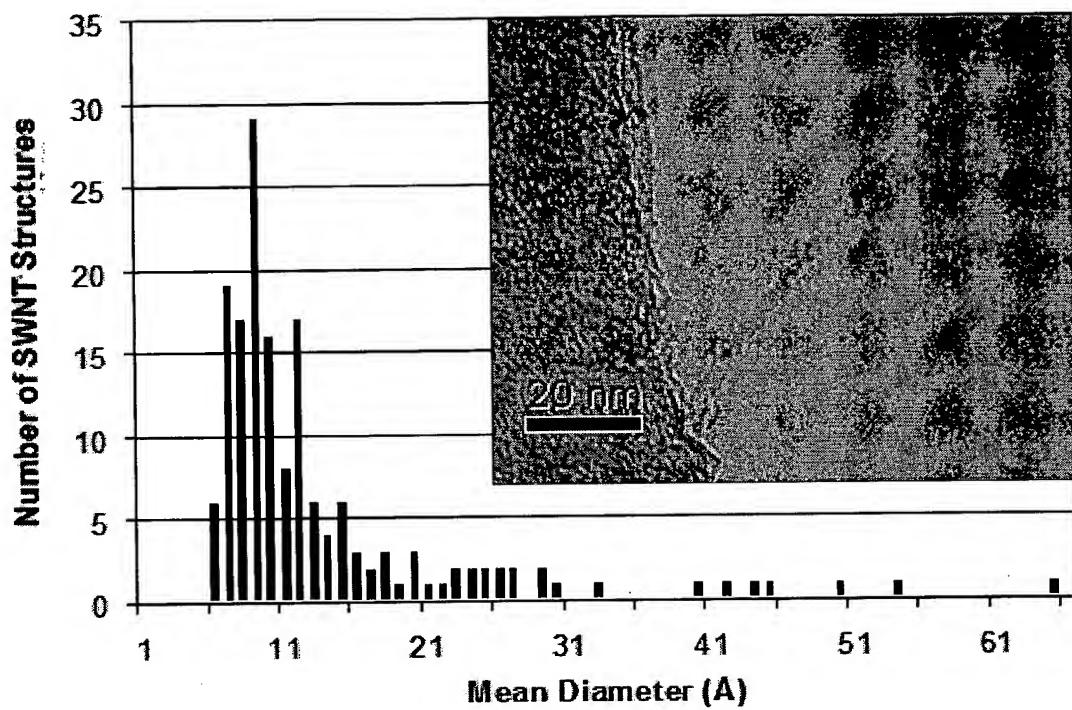


Fig. 10

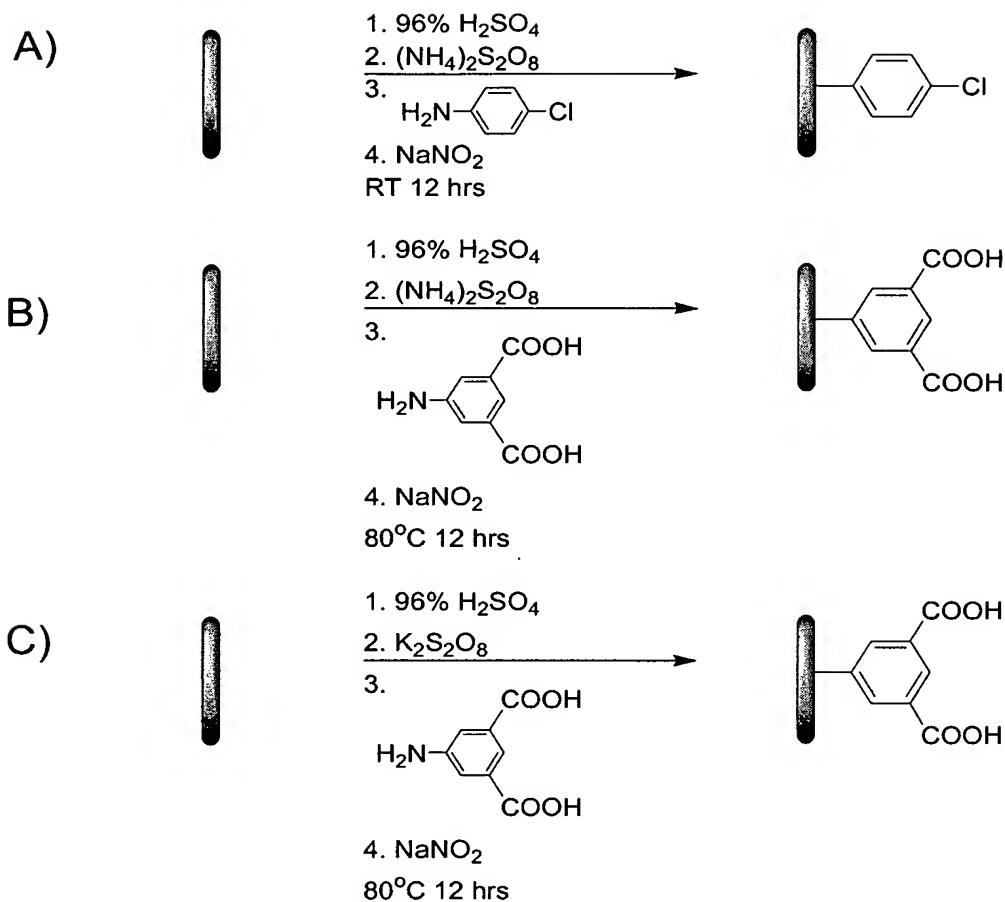
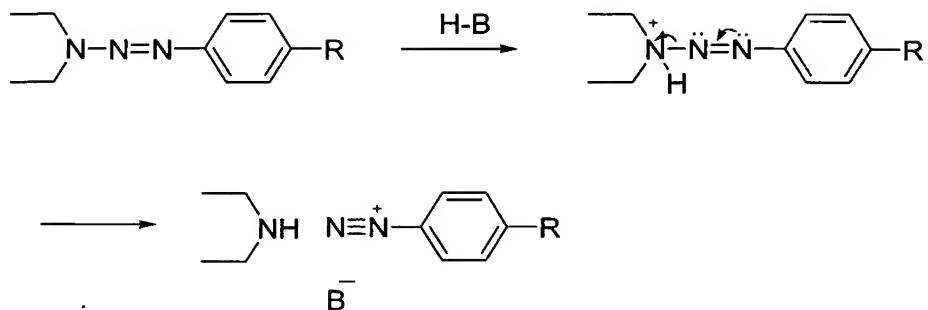
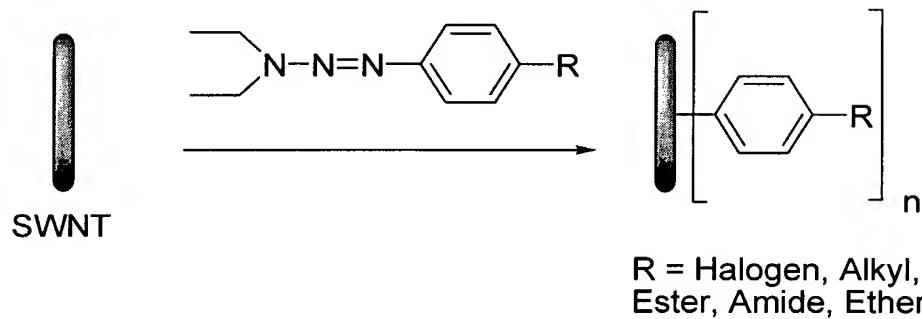


Fig. 11

**Scheme 3**

H-B = Acidic Media

**Fig. 12****Scheme 4****Fig. 13**